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MUNICIPAL CORPORATION OF BHILAI NIT

**कार्य का नाम :-वार्ड क्रमांक 30 शासकीय प्राथमिक शाला केम्प 01 में शौचालाय
निर्माण कार्य।**

(As Per PWD Building SOR 01.01.2015 & Electric SOR 01.06.2020)

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils. Item Code 1.1.1	37.30	Cum
2	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. Item Code 16.3.3	6.60	Cum
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).3.1.2	4.93	Cum
4	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Item Code 3.2.1	5.786	Cum
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Item Code 3.4 Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	4.19	Cum
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:Thermo-Mechanically treated bars Item Code 3.12.1	462.88	Kg
7	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	19.74	Sqm
8	Columns, Pillars, Piers and likes- rectangular or square in shape	20.48	Sqm
9	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	43.86	Sqm
10	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	9.60	Cum
11	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	12.60	Cum
12	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	6.40	Cum
13	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.	200.00	Kg
14	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)	15.00	Sqm
15	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	84.00	Sqm
16	Providing and making 15mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)	63.00	Sqm

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
17	Neat cement punning (Page-104, Item-11.5)	36.50	Sqm
18	Painting exterior surface exterior paint of required shade as per Manufactured with cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)As Per Qty. of 15 mm Thick Plaster	63.00	Sqm
19	Distemping with acrylic washable distemper manufactured by cow dung processing to give an even shade. On new work (Two or more coats) item Code 14.48.1As Per Qty. of 6 mm +12 mm Thick Plaster	99.00	Sqm
20	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	71.64	Sqm
21	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.Size 300x300mm	16.00	Sqm
22	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.Size 300x300mm	15.00	Sqm
23	Providing and fixing water closet squatting pan (Indian type WC Pan) 100mm sand cast Iron P or S trap, 10liter low level PVC Flushing cistern (Same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Orissa pattern W.C. pan of size 580x440 mm (Page-160, Item- 18.1.3) @ .2899.00/each	2.00	Nos
24	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete: Flat back type urinal of size 460x380x250mm (Page-162, Item-18.13.2)	2.00	Nos
25	Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral rim longitudinal flushing pipe. (Page-162, Item- 18.16)	2.00	Nos
26	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required : White Size 550x450mm (Page-162, Item- 18.17.1)	2.00	Nos
27	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS:13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion.etc. complete: 75mm dia pipe. (Page-170, Item- 18.76.1)	3.00	Mtr
28	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion.etc. complet : 110mm dia pipe. (Page-170, Item- 18.76.2)	6.00	Mtr
29	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Tee/Tee with door/bend 450 /bend 900 75mm (Page-170, Item- 18.77.1.1)	2.00	Nos
30	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Tee/Tee with door/bend 450 /bend 900 110 mm (Page-170, Item- 18.77.1.3)	2.00	Nos
31	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Vent cover 75mm. (Page-170, Item- 18.77.3.1)	1.00	Nos

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
32	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Nahani trap 110x75mm. (Page-171, Item-18.77.6)	8.00	Nos
33	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete: 20 mm dia. nominal bore (Page-177 Item-19.7.2)	10.00	Mtr
34	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete: 15mm dia. nominal bore (Page-177 Item-	15.00	Mtr
35	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality : Bib cock (350grams) (Page-178 Item- 19.13.2)	4.00	Nos
36	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement: 1 fine sand) including testing of joints etc. complete : 100mm diameter (Page-189, Item-20.1.1)	10.00	Mtr
37	Providing, Laying and Jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) i/c testing of joints etc. complete. 150 mm diameter (Page- 189, Item-20.1.2)	3.00	Mtr
38	Providing and constructing brick masonry road gully chamber 50x45x60cm with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 including 500x450 mm precast R.C.C. horizontal grating with frame complete as per standard design : (Page-194, Item- 20.25)	3.00	Each
39	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Item Code 19.42	1000.00	Mtr
40	Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.(Page-195, Item-20.31) @	1.00	Each

कार्यपालन अभियंता
नगर पालिक निगम भिलाई

सहायक अभियन्ता
नगर पालिक निगम, भिलाई

उप अभियन्ता
नगर पालिक निगम, भिलाई